Filtering Images using Fourier Series
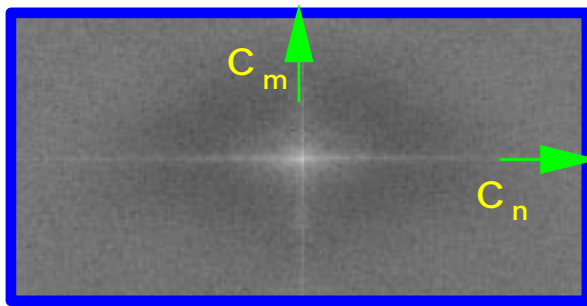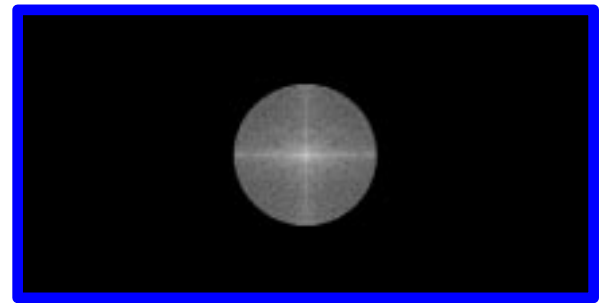

Original image from newspaper

Discrete 2–dim. Fourier Transform

(Log of $|c_{nm}|^2$)

Keep coefficients near n,m=0

("Low Pass Filter")

Inverse transform to get Fourier filtered image